

JCS41  
01/23/02

A

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. M-110

First Inventor Richmond, Michael A.

Title Composite Bonded Structures, and Methods of

Express Mail Label No. EU051425239US

01/23/02

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 40]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 3 ]
5. Oath or Declaration [ Total Pages ]
- a.  Newly executed (original or copy)  
Copy from a prior application (37 CFR 1.63 (d))
- b.  (for continuation/divisional with Box 18 completed)
  - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:  
Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement  Power of (when there is an assignee)  Attorney
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: **Cert. of Mailing**

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation     Divisional     Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information:

Examiner: \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

|  |   |  |    |  |
|--|---|--|----|--|
| <input type="checkbox"/> Customer Number or Bar Code Label | (Insert Customer No. or Attach bar code label here) |  | or | <input checked="" type="checkbox"/> Correspondence address below |
|--|---|--|----|--|

|         |  |           |                     |          |                    |
|---------|--|-----------|---------------------|----------|--------------------|
| Name    | Jeffrey R.Ramberg  |           |                     |          |                    |
| Address | M Cubed Technologies, Inc.<br>One Tralee Industrial Park |           |                     |          |                    |
| City    | Newark   | State     | Delaware            | Zip Code | 19711              |
| Country | US   | Telephone | (302) 454-8600 x319 |          | Fax (302) 454-8605 |

|                   |                          |                                   |                 |
|-------------------|--------------------------|-----------------------------------|-----------------|
| Name (Print/Type) | Jeffrey R.Ramberg        | Registration No. (Attorney/Agent) | 34,700          |
| Signature         | <i>Jeffrey R Ramberg</i> |                                   | Date 01/23/2002 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)

0.00

## Complete if Known

|                      |                      |
|----------------------|----------------------|
| Application Number   |                      |
| Filing Date          |                      |
| First Named Inventor | Richmond, Michael A. |
| Examiner Name        |                      |
| Group Art Unit       |                      |
| Attorney Docket No.  | M-110                |

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

|                        |  |
|------------------------|--|
| Deposit Account Number |  |
| Deposit Account Name   |  |

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

| Fee Code                  | Large Entity Fee (\$) | Small Entity Fee (\$) | Fee Description   | Fee Paid |
|---------------------------|-----------------------|-----------------------|---|----------|
| 105                       | 130                   | 205                   | 65 Surcharge - late filing fee or oath  |          |
| 127                       | 50                    | 227                   | 25 Surcharge - late provisional filing fee or cover sheet                     |          |
| 139                       | 130                   | 139                   | 130 Non-English specification   |          |
| 147                       | 2,520                 | 147                   | 2,520 For filing a request for ex parte reexamination                         |          |
| 112                       | 920*                  | 112                   | 920* Requesting publication of SIR prior to Examiner action                   |          |
| 113                       | 1,840*                | 113                   | 1,840* Requesting publication of SIR after Examiner action                    |          |
| 115                       | 110                   | 215                   | 55 Extension for reply within first month                                     |          |
| 116                       | 400                   | 216                   | 200 Extension for reply within second month                                   |          |
| 117                       | 920                   | 217                   | 460 Extension for reply within third month                                    |          |
| 118                       | 1,440                 | 218                   | 720 Extension for reply within fourth month                                   |          |
| 128                       | 1,960                 | 228                   | 980 Extension for reply within fifth month                                    |          |
| 119                       | 320                   | 219                   | 160 Notice of Appeal  |          |
| 120                       | 320                   | 220                   | 160 Filing a brief in support of an appeal                                    |          |
| 121                       | 280                   | 221                   | 140 Request for oral hearing  |          |
| 138                       | 1,510                 | 138                   | 1,510 Petition to institute a public use proceeding                           |          |
| 140                       | 110                   | 240                   | 55 Petition to revive - unavoidable   |          |
| 141                       | 1,280                 | 241                   | 640 Petition to revive - unintentional  |          |
| 142                       | 1,280                 | 242                   | 640 Utility issue fee (or reissue)  |          |
| 143                       | 460                   | 243                   | 230 Design issue fee  |          |
| 144                       | 620                   | 244                   | 310 Plant issue fee   |          |
| 122                       | 130                   | 122                   | 130 Petitions to the Commissioner   |          |
| 123                       | 50                    | 123                   | 50 Processing fee under 37 CFR 1.17(q)  |          |
| 126                       | 180                   | 126                   | 180 Submission of Information Disclosure Stmt                                 |          |
| 581                       | 40                    | 581                   | 40 Recording each patent assignment per property (times number of properties) |          |
| 146                       | 740                   | 246                   | 370 Filing a submission after final rejection (37 CFR § 1.129(a))             |          |
| 149                       | 740                   | 249                   | 370 For each additional invention to be examined (37 CFR § 1.129(b))          |          |
| 179                       | 740                   | 279                   | 370 Request for Continued Examination (RCE)                                   |          |
| 169                       | 900                   | 169                   | 900 Request for expedited examination of a design application                 |          |
| Other fee (specify) _____ |                       |                       |   |          |

SUBTOTAL (1) (\$)

## 2. EXTRA CLAIM FEES

|                    |    |         |   |   |          |
|--------------------|----|---------|---|---|----------|
| Total Claims       | 34 | -20** = | X | = | Fee Paid |
| Independent Claims | 8  | - 3** = | X | = |          |
| Multiple Dependent |    |         |   | = |          |

## Large Entity Small Entity

| Fee Code | Large Entity Fee (\$) | Small Entity Fee (\$) | Fee Description  |
|----------|-----------------------|-----------------------|--|
| 103      | 18                    | 203                   | 9 Claims in excess of 20                                     |
| 102      | 84                    | 202                   | 42 Independent claims in excess of 3                         |
| 104      | 280                   | 204                   | 140 Multiple dependent claim, if not paid                    |
| 109      | 84                    | 209                   | 42 ** Reissue independent claims over original patent        |
| 110      | 18                    | 210                   | 9 ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$)

\*\*or number previously paid, if greater; For Reissues, see above

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)

## SUBMITTED BY

Complete (if applicable)

|                   |                          |                                      |        |           |                     |
|-------------------|--------------------------|--------------------------------------|--------|-----------|---------------------|
| Name (Print/Type) | Jeffrey R.Ramberg        | Registration No.<br>(Attorney/Agent) | 34,700 | Telephone | (302) 454-8600 x319 |
| Signature         | <i>Jeffrey R Ramberg</i> |                                      |        | Date      | 01/23/2002          |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. M-110

First Named Inventor: Richmond, Michael A.

Title: Composite Bonded Structures, and Methods for Making Same

Express Mail Mailing Label No. EU051425239US

---

Certificate of Mailing Under 37 CFR 1.10

I hereby certify that the following correspondence is being deposited utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service in an envelope addressed to Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231

on January 23 , 2002:

Date

United States Patent Application, including  
31 pages of description  
8 pages of claims  
1 page of Abstract  
3 drawing sheets

Utility Patent Application Transmittal

Fee Transmittal

Assertion of Small Entity Status

Application Data Sheet

Return Receipt Postcard

  
\_\_\_\_\_  
Signature

Jeffrey R. Ramberg

Typed or printed name of person signing Certificate